PATNO IS 4981784

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DATE: SEPTEMBER 20, 2001

LIBRARY: PATENT FILE: ALL

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Your search request has found 1 PATENT through Level 1. To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMTS key. To MODIFY your search request, press the M key (for MODFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 4,981,784, Jan. 1, 1991, Retinoic acid receptor method, Evans, Ronald M., La Jolla, California Ong, Estelita, San Diego, California Segui, Prudimar S., San Diego, California Thompson, Catherine C., La Jolla, California Umesono, Kazuhiko, San Diego, California Giguere, Vincent, Etobicoke, Canada, The Salk Institute for Biological Studies, San Diego, California (02), Date Transaction Recorded: Dec. 28, 1993 ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). SALK INSTITUTE FOR BIOLOGICAL STUDIES, THE 10010 NORTH TORREY PINES ROAD LA JOLLA, CA 92037 Reel & Frame Number: 6811/0114

CORE TERMS: domain, acid, retinoic, protein, receptor, hormone, chimeric, gene, cell, sequence...

LEVEL 1 - 1 OF 1 PATENT

4,981,784

<=2> GET 1st DRAWING SHEET OF 13

Jan. 1, 1991

Retinoic acid receptor method

LIT-REEX: NOTICE OF LITIGATION

Ligand Pharmaceuticals, Inc., et al v. La Jolla Cancer Research Foundation, et al, Filed Dec. 10, 1993, D.C. S.D. California, Doc. No. 93-1895IEG (CM)

CORE TERMS: domain, acid, retinoic, protein, receptor, hormone, chimeric, gene, cell, sequence...

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 Application Number -US 276536/88 19881130 [1988US-0276536]
                     -US-P
 Document Type
 Action Taken
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                     APPLICATION DATA (PATENT)
                      {US 276536/88 19881130 [1988US-0276536]}
                      -19890123 US/AS02
                     ASSIGNMENT OF ASSIGNOR'S INTEREST
                      SALK INSTITUTE FOR BIOLOGICAL STUDIES, THE, SAN DIEGO,
                     CA A CA NOT-FOR-PROFIT CO * EVANS, RONALD M. : 19881202;
                      ONG, ESTELITA S.: 19881202; SEGUI, PRUDIMAR S.:
                      19881202; THOMPSON, CATHERINE C: 19881202;
                      -19910101 US/A
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                      -19931228 US/AS02
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                     TORREY PINES ROAD LA JOLL * GIGUERE, VINCENT : 19881209
 Update Code
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 Search statement
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Covers 1970 thru weekly update (2001-36)

For technical content information : see INFO LITA

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                      -US4981784 19910101 (Utility)
                      -Ligand Pharmaceuticals Inc; Allergan Ligand
 Plaintiffs
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 Defendants
                      -Selectra Pharmaceuticals Inc;
                      -SRI Intl
 Court
                      -CA, Southern Dist.
 Docket Number
                      -93-1895IEG(CM)
 Filing Date
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                      -A complaint was filed.
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Covers 1973 thru weekly update (2001-36)

Information on technical content of this file, see INFO PAST

Search statement

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Search statement

Actions

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DIALOG(R) File 345: Inpadoc/Fam. & Legal Stat
(c) 2001 EPO. All rts. reserv.
8788796
Basic Patent (No, Kind, Date): WO 8905355 A1 19890615 < No. of Patents: 031>
PATENT FAMILY:
AUSTRIA (AT)
  Patent (No, Kind, Date): AT 124721 E
                                         19950715
   RETINOESAEURE-REZEPTOR-KOMPOSITION UND VERFAHREN ZUR LIGAND-IDENTIFIZIE
     RUNG. (German)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                     (US)
   Author (Inventor): EVANS RONALD MARK
                                          (US); GIGUERE VINCENT
                                                                  (CA); ONG
       ESTELITA SEBASTIAN
                           (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
               (US); THOMPSON CATHERINE CAROLINE (US)
   Priority (No, Kind, Date): US 128331
                                                  19871202; US 276536
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   Applic (No, Kind, Date): EP 88311477 A
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   IPC: * C12N-015/12; C12P-021/02; C12N-015/62; C12N-005/10; C12Q-001/68
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: German
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               ZUR IDENTIFIZIERUNG VON LIGANDEN FUER RETINSAEUREREZEPTOREN
      (German)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                      (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
                            (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
       ESTELITA SEBASTIAN
      KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
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                                                  19871202; US 276536
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   Language of Document: German
AUSTRIA (AT)
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                              (ENTSPRICHT EP-PATENT)
                              EP 325849 P
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                              (UEBERSETZUNG DER EUROPAEISCHEN PATENTSCHRIFT
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(ENTSPRICHT EP-PATENT)

EP 540065 P 19990728

AT 182685 R 20000115 AT RER CEASED AS TO PARAGRAPH 5 INTRODUCING PATENT TREATIES 3 LAW LIT. (ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.) AUSTRALIA (AU) Patent (No, Kind, Date): AU 8928188 A1 19890705 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA. (Inventor): Author SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE CAROLINE Priority (No, Kind, Date): WO 88US4284 Α 19881201; US 128331 A 19871202; US 276536 A 19881130 Applic (No, Kind, Date): AU 8928188 A 19881201 IPC: * C12P-021/02; C12P-019/34; C12P-015/00; C07H-015/12; C12Q-001/68 ; C12N-005/00; C12N-001/00; C07K-013/00 Language of Document: English Patent (No, Kind, Date): AU 9230268 A1 19930422 CHIMERIC RECEPTORS AND METHODS FOR IDENTIFICATION (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA (Inventor): Author SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE CAROLINE Priority (No, Kind, Date): US 128331 A 19871202 Applic (No, Kind, Date): AU 9230268 A 19921217 IPC: * C12N-015/12; C07K-013/00 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English Patent (No, Kind, Date): AU 628312 B2 19920917 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA Author (Inventor): SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE CAROLINE Priority (No, Kind, Date): WO 88US4284 Α 19881201; US 128331 A 19871202; US 276536 A 19881130 Applic (No, Kind, Date): AU 8928188 A 19881201 C12P-021/02; C12P-019/34; C12P-015/00; C12Q-001/68; C12N-005/00 C12N-001/00; C07K-013/00; C12N-015/12; C12N-005/10; G01N-033/68; C07K-015/12 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English Patent (No, Kind, Date): AU 665039 B2 19951214 CHIMERIC RECEPTORS AND METHODS FOR IDENTIFICATION (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA (Inventor): Author SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE CAROLINE Priority (No, Kind, Date): US 128331 A 19871202 Applic (No, Kind, Date): AU 9230268 A 19921217 C12N-015/12; C07K-013/00 IPC: * CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English

GERMANY (DE)

Patent (No, Kind, Date): DE 3854120 CO 19950810

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RETINOESAEURE-REZEPTOR-KOMPOSITION UND VERFAHREN ZUR
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
     ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
               (US); THOMPSON CATHERINE CAROLINE (US)
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor): EVANS RONALD MARK
                                         (US); GIGUERE VINCENT
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                                 (CA); ONG
     ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
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   Derwent WPI Acc No: * C 89-192701
   Language of Document: German
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      (German)
   Patent Assignee: SALK INST FOR BIOLOG STUDIES L (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                                 (CA); ONG
     ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO
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   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: German
GERMANY (DE)
 Legal Status (No, Type, Date, Code, Text):
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19950810 DE REF

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DE 3854120

CORRESPONDS TO (ENTSPRICHT)

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EP 325849 P
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 Patent (No, Kind, Date): DK 9001368 A
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor):
                        EVANS RONALD MARK; THOMPSON CATHERINE CAROLINE;
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                                                19871202; US 276536 A
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   Priority (No, Kind, Date):
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor): EVANS RONALD MARK; THOMPSON CATHERINE CAROLINE;
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                             WO 88US4284 A
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                       19900601
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(DATA OF DOMESTIC APPL.) DK 901368 A 19900601

DK 901368 A 20000731 DK AHB APPLICATION SHELVED DUE TO NON-PAYMENT (ANSOEGNING HENLAGT P.G.A. MANGLENDE BETALING)

EUROPEAN PATENT OFFICE (EP) Patent (No, Kind, Date): EP 540065 A1 19930505 RETINOIC ACID RECEPTOR COMPOSITION (English; French; German) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US); GIGUERE VINCENT Author (Inventor): EVANS RONALD MARK (US); SEGUI PRUDIMAR SERRANO (US); UMESONO ESTELITA SEBASTIAN (US); THOMPSON CATHERINE CAROLINE (US) KAZUHIKO 19871202; US 276536 ŲŞ 128331 Priority (No, Kind, Date): 19881130 Applic (No, Kind, Date): EP 92121951 A 19881202 Designated States: (National) AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE IPC: * C12N-015/12; C12N-015/62; G01N-033/68; G01N-033/74; C12N-005/10 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English Patent (No, Kind, Date): EP 325849 A2 19890802 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS (English; French; German) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US) Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG (US); SEGUI PRUDIMAR SERRANO (US); UMESONO ESTELITA SEBASTIAN KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US) 19871202; US 276536 Priority (No, Kind, Date): US 128331 Α 19881130 Applic (No, Kind, Date): EP 88311477 A 19881202 Designated States: (National) AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE IPC: * C12N-015/00; C07H-021/04; C12P-021/02; C12N-005/00 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English Patent (No, Kind, Date): EP 325849 A3 19911016 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS (English; French; German) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA (Inventor): SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE CAROLINE US 128331 Α 19871202; US 276536 Priority (No, Kind, Date): 19881130 Applic (No, Kind, Date): EP 88311477 A 19881202 Designated States: (National) AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE IPC: * C12N-015/00; C07H-021/04; C12P-021/02; C12N-005/00 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English Patent (No, Kind, Date): EP 325849 B1 19950705 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS. (English; French; German) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)

Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO

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KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
                                                 19871202; US 276536 A
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   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): EP 540065 B1 19990728
   METHOD FOR IDENTIFYING LIGANDS FOR RETINOIC ACID RECEPTORS (English;
     French; German)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                         (US); GIGUERE VINCENT (CA); ONG
   Author (Inventor): EVANS RONALD MARK
                           (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
      ESTELITA SEBASTIAN
     KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
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EUROPEAN PATENT OFFICE (EP)
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   EP 325849
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                       19871202 EP AA
                             APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                                             19871202
                             US 128331 A
                                              PRIORITY (PATENT
                                EP AA
   EP 325849
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                       19881130
                                            (PRIORITAET (PATENTANMELDUNG))
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                              US 276536
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                                            19881130
                                              EP-APPLICATION
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                       19881202
                                EP AE
   EP 325849
                              (EUROPAEISCHE ANMELDUNG)
                              EP 88311477 A
                                              19881202
   EP 325849
                   Ρ
                        19890802
                                               DESIGNATED CONTRACTING
                              STATES IN AN APPLICATION WITHOUT SEARCH
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                             AT BE CH DE ES FR GB GR IT LI LU NL SE
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                             WITHOUT SEARCH REPORT
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                                               DESIGNATED CONTRACTING
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                        19911016
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                        19911016
                                 EP A3
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                              SEARCH REPORT (ART. 93)
                                                       (GESONDERTE
                              VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
                              (ART. 93))
                                              REQUEST FOR EXAMINATION
                   P
                        19920527 EP 17P
   EP 325849
                                    (PRUEFUNGSANTRAG GESTELLT)
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			920326
EP	325849	P	19920819 EP 17Q FIRST EXAMINATION REPORT
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			920706
EP	325849	P	19930505 EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 540065 P
EP	325849	P	19930526 EP RIN1 INVENTOR (CORRECTION)
			(ERFINDER (KORR.))
			EVANS, RONALD MARK, ; GIGUERE, VINCENT, ;
			ONG, ESTELITA SEBASTIAN, ; SEGUI, PRUDIMAR
			SERRANO ; UMESONO, KAZUHIKO, ; THOMPSON,
			CATHERINE CAROLINE
EP	325849	P	· · · · · · · · · · · · · · · · · · ·
			* (ERFINDER (KORR.))
			EVANS, RONALD MARK, ; GIGUERE, VINCENT, ;
			ONG, ESTELITA SEBASTIAN, ; SEGUI, PRUDIMAR
			SERRANO; UMESONO, KAZUHIKO,; THOMPSON,
		_	CATHERINE CAROLINE
EP	325849	Р	19950705 EP AK DESIGNATED CONTRACTING
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	•		AT BE CH DE ES FR GB GR IT LI LU NL SE
מים	325849	P	19950705 EP B1 PATENT SPECIFICATION
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11	323047	•	(IN AT EINGETRAGEN ALS:)
			AT 124721 R 19950715
EP	325849	P	19950705 EP XX MISCELLANEOUS: (DIVERSES:)
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			TEILANMELDUNG 92121951.5 EINGEREICHT AM
			02/12/88.
EP	325849	P	19950713 EP ET FR: TRANSLATION FILED (FR:
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EP	325849	P	19950717 EP ITF IT: TRANSLATION FOR AN EP
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			BREVETTO EUROPEO)
			DR. ING. A. RACHELI & C.
EP	325849	P	19950810 EP REF CORRESPONDS TO:
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		_	DE 3854120 P 19950810
EP	325849	P	19950816 ES FG2A/REG DEFINITIVE PROTECTION (PROTECCION DEFINITIVA)
			2073408T3
ਰਕ	325849	D	19960703 EP 26N NO OPPOSITION FILED (KEIN
EF	323049	F	EINSPRUCH EINGELEGT)
ED	325849	P	19990728 EP AH DIVISIONAL APPLICATION (ART.
LI	323047	•	76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 540065 P
EP	325849	P	
	520	_	19991231 THE ;SALK INSTITUTE FOR BIOLOGICAL
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EP	325849	P	20000814 EP EUG SE: EUROPEAN PATENT HAS
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EP	325849	P	20000901 EP NLV4 NL: LAPSED OR ANULLED DUE TO
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EP 540065	P	20000701 19871202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 540065	P	US 128331 A 19871202 19881130 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 540065	P	(AUSSCHEIDUNG AUS)
EP 540065	P	EP 88311477 A3 19881202 19881202 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 92121951 A 19881202
EP 540065	P	
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EP 540065	P	AT BE CH DE ES FR GB GR IT LI LU NL SE 19930505 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 540065	P	19930526 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG,
EP 540065	P	ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO; UMESONO, KAZUHIKO 19930623 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO
EP 540065	P	19930707 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO
EP 540065	P	19930721 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO; THOMPSON, CATHERINE CAROLINE
EP 540065	P	
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EP 540065	Р	19990728 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 325849 P
EP 540065	P	19990728 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)

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EP 540065	P	AT 182685 R 19990815 19990730 CH EP/REG ENTRY IN THE NATIONAL PHASE
EP 540065	P	(EINTRITT IN DIE NATIONALE PHASE)
EP 540065	P	19990902 EP REF CORRESPONDS TO: (ENTSPRICHT)
		DE 3856354 P 19990902
EP 540065	P	19991001 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 540065	P	20000103 EP NLV1 NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART.
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EP 540065	P	20000131 CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
EP 540065	P	20000614 EP 25 LAPSED AS TO RULE 92 1 P (
ы этоосэ	•	ERLOSCHEN GEM. REGEL 92 1 P)
		AT 19990728
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		(ERLOSCHEN GEM. REGEL 92 1 P) AT 19990728
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ш э40003	•	EINGELEGT)
		20000425 SMITHKLINE BEECHAM PLC
EP 540065	P	
		(ERLOSCHEN GEM. REGEL 92 1 P) AT 19990728
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		(ERLOSCHEN GEM. REGEL 92 1 P)
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		AT 19990728
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EP 540065	P	20001227 EP R25 LAPSED AS TO RULE 92 1 P
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		(KORR.))
TD 540065	-	AT 19990728
EP 540065	P	20010606 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
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AT 19990728
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                             (ERLOSCHEN GEM. REGEL 92 1 P)
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                                EP 25
                             (ERLOSCHEN GEM. REGEL 92 1 P)
                             AT 19990728
SPAIN (ES)
 Patent (No, Kind, Date): ES 2073408 T3 19950816
   COMPOSICION DE RECEPTOR DE ACIDO RETINOICO Y METODO PARA IDENTIFICAR
     LIGANDOS. (Spanish)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
      ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
     KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
   Priority (No, Kind, Date): US 128331 A
                                                19871202; US 276536 A
     19881130
   Applic (No, Kind, Date): ES 88311477 EP 19881202
   Addnl Info: 0325849 EP patent valid in AT
   IPC: * C12N-015/12; C12P-021/02; C12N-015/62; C12N-005/10; C12Q-001/68
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Spanish
SPAIN (ES)
 Legal Status (No, Type, Date, Code, Text):
                                            DEFINITIVE PROTECTION
                       19950816 ES FG2A
   ES 2073408 P
                             (PROTECCION DEFINITIVA)
                             325849
IRELAND (IE)
 Patent (No, Kind, Date): IE 9668590 B 19960626
   RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS
      (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
   Author (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
     SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO
   Priority (No, Kind, Date): US 128331 A 19871202; US 276536 A
     19881130
   Applic (No, Kind, Date): IE 883621 A 19881202
   IPC: * C12N-015/12; C12N-015/62; C12P-021/02; C12Q-001/68
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
IRELAND (IE)
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JAPAN (JP)

IE 68590

Patent (No, Kind, Date): JP 10279599 A2 19981020

Legal Status (No, Type, Date, Code, Text):

CONFIGURATION OF RFTINOIN RECEPTOR AND METHOD (English)

PATENT LAPSED

Patent Assignee: SALK INST FOR BIOLOGICAL STUDI

P 20000920 IE MM4A

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Author (Inventor): EVANS RONALD M; GIGUERE VINCENT; ONG ESTELITA
       SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO;
     CATHERINE C
                                                19871202;
                                                          US 276536 A
   Priority (No, Kind, Date):
                              US 128331
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     19881130
   Applic (No, Kind, Date): JP 97299300 A 19970925
              C07K-014/705; C07K-014/72; C07K-019/00; C12N-005/10;
     C12N-015/09; C12P-021/02; C12R-001-91
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Japanese
  Patent (No, Kind, Date): JP 10295385 A2 19981110
   CONSTITUTION OF RETINOIN RECEPTOR, AND METHOD FOR IDENTIFICATION OF
     FUNCTIONAL LIGAND TO RECEPTOR (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD M; GIGUERE VINCENT; ONG ESTELITA
       SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO;
                                                                THOMPSON
     CATHERINE C
   Priority (No, Kind, Date):
                             US 128331
                                         Α
                                                19871202; US 276536 A
     19881130
   Applic (No, Kind, Date): JP 97299299 A
                                          19970925
                C12N-015/09; C07K-014/705; C07K-014/72; C07K-019/00;
   IPC:
     C12P-021/02; G01N-033/15; G01N-033/566; G01N-033/50; C12R-001-91
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Japanese
 Patent (No, Kind, Date): JP 3006716 B2 20000207
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
          (Inventor): EUANSU RONARUDO MAAKU; JIGYUURU UINSENTO; ONGU
      ESUTERITA SEBASUCHAN; SEGYUI PURUDEIMAA SERAANO; UMESONO KAZUHIKO;
     TONPUSON KYASARIN KYARORAIN
   Priority (No, Kind, Date):
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                                                19871202; US 276536
                             US 128331
     19881130
   Applic (No, Kind, Date): JP 88500616 A 19881201
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                C12N-015/09; C07K-014/705; C12N-005/10; C12P-021/02;
     C12R-001-91
   Language of Document: Japanese
  Patent (No, Kind, Date): JP 3503597 T2 19910815
   Priority (No, Kind, Date): WO 88US4284 W
                                                 19881201; US 128331 A
     19871202; US 276536 A
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   Applic (No, Kind, Date): JP 89500616 A
                                           19881201
   IPC: * C12N-015/12; C07K-015/06; C12P-021/02; C12R-001-91
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Japanese
KOREA, REPUBLIC (KR)
  Patent (No, Kind, Date): KR 9709951 B1 19970619
   RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CN); ONG
                                                          (US); UMESONO
      ESTELITA SEBASTIN
                          (US); SEGUI PRUDIMAR SERRANO
               (US); THOMPSON CATHERINE CAROLINE (US)
     KAZUHIKO
                                              19871202; US 276536 A
   Priority (No, Kind, Date): US 128331 A
     19881130; WO 88US4284 W
                              19881201
   Applic (No, Kind, Date): KR 8971441 A 19890801
   IPC: * C12N-015/00; C12P-021/02
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Korean
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UNITED STATES OF AMERICA (US)
 Patent (No, Kind, Date): US 4981784
                                         19910101
   RETINOIC ACID RECEPTOR METHOD (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
                                       (US); ONG ESTELITA
   Author (Inventor): EVANS RONALD M
                                                           (US); SEGUI
                (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO (US);
     PRUDIMAR S
     GIGUERE VINCENT
                      (CA)
   Priority (No, Kind, Date):
                            US 128331 B2 19871202
   Applic (No, Kind, Date): US 276536
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                                          19881130
   National Class: * 435006000; 435069100; 435069400; 435069700;
     435070100; 435172100; 435172300; 935009000; 935010000; 935013000;
     935076000
           C12Q-001/68; C12P-021/00; C12N-015/00
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): US 5171671
                                         19921215
   RETINOIC ACID RECEPTOR COMPOSITION (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                     (US)
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
                 (US); THOMPSON CATHERINE C (US); UEMSONO KAZUHIKO
     PRUDIMAR S
     GIGUERE VINCENT
                      (CA)
                                            19881130; US 128331
                            US 276536 A3
   Priority (No, Kind, Date):
     19871202
   Applic (No, Kind, Date): US 546256
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                                          19900806
   Addnl Info: 4981784 Patented
   National Class: * 435069100; 435069700; 435257300; 435320100;
      530350000; 536027000
   IPC: \star C12N-015/12; C12N-015/62; C12N-015/63; C07K-013/00
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): US 5274077
   RETINOIC ACID RECEPTOR COMPOSITION (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S
                                                             (US); SEGUI
                 (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
     PRUDIMAR S
     GIGUERE VINCENT (CA)
   Priority (No, Kind, Date): US 546256 A3 19900806; US 276536
      19881130; US 128331 B2 19871202
   Applic (No, Kind, Date): US 975777 A
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   National Class: * 530350000; 530358000; 435069100; 435252300
           C07K-013/00; C12N-015/12
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): US 5548063
                                    Α
                                         19960820
   RETINOIC ACID RECEPTOR ALPHA PROTEINS Retinoic acid receptor alpha
     proteins (English)
                     SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
   Patent Assignee:
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
                (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
     PRUDIMAR S
     GIGUERE VINCENT
                      (CA)
   Priority (No, Kind, Date): US 179912 A
                                            19940111; US 845857
                                                       19881130; US 128331
     19920303; US 546570 B3 19900806; US 276536 A3
          19871202
   Applic (No, Kind, Date): US 179912 A
                                          19940111
   Addnl Info: 4981784 Patented
   National Class: * 530350000; 530324000; 435069100
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IPC: * C07K-014/705
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document:
                         English
 Patent (No, Kind, Date): US 5571692 A
                                         19961105
   RETINOIC ACID RECEPTOR ALPHA , VECTORS AND CELLS COMPRISING THE SAME
     DNA ENCODING Retinoic acid receptor alpha , vectors and cells
     comprising the same DNA encoding (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
                 (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
     PRUDIMAR S
                                                                      (US);
     GIGUERE VINCENT
                      (CA)
                                           19931216; US 845857 A1
   Priority (No, Kind, Date): US 168686 A
     19920303; US 546570 B3 19900806; US 276536 A3 19881130; US 128331
         19871202
   Applic (No, Kind, Date): US 168686 A
                                          19931216
   Addnl Info: 4981784 Patented
   National Class: * 435069100; 435240200; 435252300; 435254110;
      435320100; 536023500
   IPC: * C12N-015/12; C12N-015/63; C12N-005/10; C12N-001/21
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): US 5599904 A
                                        19970204
   CHIMERIC STEROID HORMONE SUPERFAMILY RECEPTOR PROTEINS (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                       (US); ONG ESTELITA S (US); SEGUI
   Author (Inventor): EVANS RONALD M
     PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
     GIGUERE VINCENT (CA)
                                            19920303; US 546570
   Priority (No, Kind, Date): US 845857 A
      19900806; US 276536 A3 19881130; US 128331 B2
                                                       19871202
   Applic (No, Kind, Date): US 845857 A
                                          19920303
   Addnl Info: 4981784 Patented
   National Class: * 530350000; 435069100; 435069700; 935036000
   IPC: * C07K-019/00; C07K-014/705
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
UNITED STATES OF AMERICA (US)
 Legal Status (No, Type, Date, Code, Text):
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                             INTEREST
                             SALK INSTITUTE FOR BIOLOGICAL STUDIES, THE,
                             SAN DIEGO, CA A CA NOT-FOR-PROFIT CO ; EVANS,
                             RONALD M.: 19881202; ONG, ESTELITA S.:
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                             SALK INSTITUTE FOR BIOLOGICAL STUDIES, THE
                             10010 NORTH TORREY PINES ROAD LA JOLL ;
                             GIGUERE, VINCENT: 19881209
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   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
                            (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
      ESTELITA SEBASTIAN
     KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
                                                 19871202; US 276536 A
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                       19871202 WO AA
                             US 128331
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